

Quiz 4

a) $f(1) = 4$

b) $f(3) = 5$

c) $\lim_{x \rightarrow 1^-} f(x) = 4$

d) $\lim_{x \rightarrow 1^+} f(x) = 4$

e) $\lim_{x \rightarrow 1} f(x) = 4$

f) $\lim_{x \rightarrow 3^-} f(x) = 0$

g) $\lim_{x \rightarrow 1^+} f(x) = 2$

h) $\lim_{x \rightarrow 3} f(x) = \text{DNE}$
0
+
5
+

i) $\lim_{x \rightarrow 0} f(x) = -\infty$

acceptable answers DNE

Acceptable since I don't know $\lim_{x \rightarrow 0^-} f(x)$.

j) $\lim_{x \rightarrow \infty} f(x) = \infty$